

Innovating Flash Drying

The patented LARSSON Dryer InjectorTM is designed as a standalone unit, which integrates into flash dryer systems for efficient input of moist product into the flash dryer's hot air stream. The Dryer Injector disperses and atomizes the product in a very efficient way at the flash dryer infeed point, achieving gentle drying at particle level - instead of drying aggregated product in clumps or large product agglomerates.

The moist dewatered product to be dried is transported from the previous process steps – vacuum filters, dewatering centrifuges, press filters, etc., depending on the product type and dewatering method – by screw conveyor or conveyor belt to the infeed hopper of the Dryer Injector. The product is fed in a steady flow and falls into the rotating rotor of the Dryer Injector, which disperses the moist product through the outlet grate of the Dryer Injector into the hot air stream of the flash dryer.

- Sustainable use of energy
- High ROI and short Payback time
- Improved OPEX
- Capacity up to 25 tons/h (wet starch)
- CIP-able
- New and retro-fit installations
- No venturi needed
- Versatile feeding system
- Easy maintenance & cleaning



Watch the movie



LARSSON **Dryer Injector**TM GL440

Technical Information

The drive motor is frequency controlled and can be varied to optimize flow capacity and motor load, as well as the product's inlet rate and dispersion pattern in the dryer pipe.

The outlet grate in the Dryer Injector is replaceable and adjustable to a certain extent. The outlet grate is designed for optimized spreading pattern and spreading angle over the entire cross-sectional area of the drying pipe, regarding spreading both laterally and vertically - with and against the hot air stream for optimal drying conditions.



Frame and media touched parts are made of stainless steel AISI 304 (EN 1.4301) Media touched elastomers are according to EC 1935/2004.

Model	Power	Capacity (wet starch)	Length	Width	Height	Weight
GL440	30 kW	15 tons/h	1750 mm	950 mm	1350 mm	850 kg
	37 kW	20 tons/h				875 kg
	45 kW	25 tons/h				970 kg





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